

## **AMENDMENTS TO THE ABSTRACT**

Please cancel the Abstract section of the specification and replace with the following Abstract, written in amendment format:

A method of computer-based simulation of a cooling system includes inputting condenser parameters, evaporator parameters and compressor parameters for the said cooling system and processing the condenser parameters, the evaporator parameters and the compressor parameters through a model of the cooling system. A flow control device is selected based on an output of the model.